



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-------------------------|------------------------|
| 10/826,622 | 04/16/2004 | Heather A. Boucher Ashe | JJK-0406 (P2003J054) |

27810
 EXXONMOBIL RESEARCH AND ENGINEERING COMPANY
 P.O. BOX 900
 1545 ROUTE 22 EAST
 ANNANDALE, NJ 08801-0900

CONFIRMATION NO. 1307

FORMALITIES LETTER



OC000000013076361

Date Mailed: 06/28/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$130 for a Large Entity

- \$130 Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts
 Commissioner for Patents

08/06/2004 GUARD1 00000032 051330 10826622
 01 FC:1051 130.00 DA P.O. Box 1450
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

08/05/2004 14:41 2259771025

EMPR BATON ROUGE

PAGE 05

Page 2 of 2

M - WAINE

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

AUG 05 2004

PTO/SB/17 (10-03)

Approved for use through 07/31/2008. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 130.00)

Complete if Known

| | |
|----------------------|-------------------------|
| Application Number | 10/826,622 |
| Filing Date | 4/16/04 |
| First Named Inventor | Heather A. Boucher Ashe |
| Examiner Name | Unknown |
| Art Unit | Unknown |
| Attorney Docket No. | JJK-0406 (P2003J054) |

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

05-1330

Deposit Account Name: ExxonMobil Research and Engineering Company

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|--------------------------|--------------|------------------------|---------------|-----------------|----------|
| 1001 770 | 2001 365 | Utility filing fee | | | |
| 1002 340 | 2002 170 | Design filing fee | | | |
| 1003 530 | 2003 265 | Plant filing fee | | | |
| 1004 770 | 2004 385 | Reissue filing fee | | | |
| 1005 160 | 2005 80 | Provisional filing fee | | | |
| SUBTOTAL (1) (\$) | | | | | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Multiple Dependent | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------------|--------------|----------------|----------|
| | | | -20** = | x 18.00 = | |
| | | | - 3** = | x 86.00 = | |

| Large Entity | Small Entity | Fee Description |
|--------------------------|--------------|---|
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 88 | 2201 43 | Independent claims in excess of 3 |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid |
| 1204 86 | 2204 43 | " Reissue independent claims over original patent |
| 1205 18 | 2205 9 | " Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) (\$) | | |

** or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|-----------------------------------|--------------|---------------|--|--------------------------|----------|
| 1051 2051 | 50 2052 | 65 25 | Surcharge - late filing fee or oath Surcharge - late provisional filing fee or cover sheet | | 130.00 |
| 1053 1053 | 1812 1812 | 130 2,520 | Non-English specification For filing a request for ex parte reexamination | | |
| 1804 1805 | 1,840* | 920* 1,840* | Requesting publication of SIR prior to Requesting publication of SIR after Examiner action Examiner action | | |
| 1251 1252 | 110 420 | 55 210 | Extension for reply within first month Extension for reply within second month | | |
| 1253 1254 | 850 1,480 | 475 740 | Extension for reply within third month Extension for reply within fourth month | | |
| 1255 1451 | 2,010 1,510 | 1,005 1,610 | Extension for reply within fifth month Petition to institute a public use proceeding | | |
| 1401 1402 | 330 330 | 185 240 | Notice of Appeal Filing a brief in support of an appeal | | |
| 1403 1452 | 290 110 | 145 2452 | Request for oral hearing Petition to revive - unavoidable | | |
| 1453 1501 | 1,330 1,330 | 665 2601 | Petition to revive - unintentional Utility issue fee (or reissue) | | |
| 1602 1603 | 480 640 | 240 320 | Design issue fee Plant issue fee | | |
| 1460 1807 | 130 50 | 130 1807 | Petitions to the Commissioner Processing fee under 37 CFR 1.17(q) | | |
| 1806 8021 | 180 40 | 180 40 | Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) | | |
| 1809 1810 | 770 770 | 385 385 | Filing a submission after final rejection (37 CFR 1.129(e)) For each additional invention to be examined (37 CFR 1.129(b)) | | |
| 1801 1802 | 770 900 | 385 900 | Request for Continued Examination (RCE) Request for expedited examination of a design application | | |
| Other fee (specify) _____ | | | | | |
| *Reduced by Basic Filing Fee Paid | | | | SUBTOTAL (3) (\$) | 130.00 |

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|-------------------|--------------------|-----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Jeremy J. Kilebert | Registration No. (Attorney/Agent) | 48,227 | Telephone | (225) 977-1592 |
| Signature | | | | Date | 08/05/04 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-1000 and select option 2.

To: Office of Initial Patent Examination
 Response to Notice to File Missing Parts
 FACSIMILE NO: (703) 746-4060

PTO/SB/21 (05-03)
 Approved for use through 04/30/2003. OMB 0651-0031
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



TRANSMITTAL FORM

(To be used for all correspondence after initial filing)

| | | | |
|--|---|------------------------|-------------------------|
| | | Application Number | 10/826,622 |
| | | Filing Date | 4/16/04 |
| | | First Named Inventor | Heather A. Boucher Ashe |
| | | Art Unit | Unassigned |
| | | Examiner Name | Unassigned |
| Total Number of Pages in This Submission | 5 | Attorney Docket Number | JJK-0406 (P2003J054) |

ENCLOSURES (Check all that apply)

| | | |
|--|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <small>Remarks</small> | <input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
|--|--|--|

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | |
|-------------------------|-------------------------------------|--|
| Firm or Individual name | Jeremy J. Kliebert, Reg. No. 48,227 | |
| Signature | | |
| Date | August 5, 2004 | |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

| | | |
|-----------------------|---------------------|---------------|
| Typed or printed name | Shannon J. Malocchi | |
| Signature | | Date 08/05/04 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

CUSTOMER NO.: 27810